

WHAT IS CLAIMED IS:

1. A mobile communication unit, comprising;

a main body having a hollow antenna mount formed on the main body, the antenna mount having a fitting portion formed inside and a fixing member of conducting material supported inside;

an RF functional unit contained in the main body and connected with the fixing member;

a hollow and cylindrical antenna holder including a portion of conducting material with a projection formed outside, the antenna holder being fixed in the hollow antenna mount by the fixing member;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the projection.

2. A mobile communication unit according to claim 1, wherein the fitting portion is a projection and the counter portion is a depression.

3. A mobile communication unit according to claim 1, wherein the fitting portion is a depression and the counter portion is a projection.

4. A mobile communication unit according to claim 1, wherein the relative position between the fitting portion and the feeding end is predetermined.

5. A mobile communication unit according to claim 1, wherein the fixed antenna element is attached to a groove of the inner wall of the antenna casing, and the feeding end protrudes from the inner wall of the antenna casing.

6. A mobile communication unit according to claim 1, wherein the fixed antenna element is formed as a meander or a coil.

7. A mobile communication unit according to claim 1, wherein an end portion of the antenna holder is projected outwardly to hold the antenna casing between the end portion and the antenna mount.

8. A mobile communication unit according to claim 1, wherein the projection is a ring formed around the portion of the antenna holder and is pressed against the feeding end of the fixed antenna element.

9. A mobile communication unit, comprising;
a main body having a hollow antenna mount formed on the main body, the antenna mount having a fitting portion formed inside and a nut made of conducting material supported inside;
an RF functional unit contained in the main body and connected with the nut;

a hollow and cylindrical antenna holder including a portion of conducting material with a ring formed around the portion and an external screw formed around the portion, the antenna holder being fixed in the hollow antenna mount by the nut;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the ring.

10. A mobile communication unit according to claim 9, wherein the relative position between the fitting portion and the feeding end is predetermined.

11. An antenna unit, comprising;

a hollow and cylindrical antenna holder including a portion of conducting material with a projection formed outside;

a fixing member made of conducting material and supported in the antenna mount of a mobile communication unit, the fixing member fixing the antenna holder in the antenna mount, the antenna mount having a fit-

ting portion inside, and the mobile communication unit containing an RF functional unit in connection with the fixing member;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the projection..

12. An antenna unit according to claim 11, wherein the fitting portion is a projection and the counter portion is a depression.

13. An antenna unit according to claim 11, wherein the fitting portion is a depression and the counter portion is a projection.

14. An antenna unit according to claim 11, wherein the relative position between the fitting portion and the feeding end is predetermined.

15. An antenna unit according to claim 11, wherein the fixed antenna element is attached to a groove of the inner wall of the antenna casing, and the feeding end protrudes from the inner wall of the antenna casing.

16. An antenna unit according to claim 11, wherein the fixed antenna element is formed as a meander or a coil.

17. An antenna unit according to claim 11, wherein an end portion of the antenna holder is projected outwardly to hold the antenna casing between the end portion and the antenna mount.

18. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion of the antenna holder and is pressed against the feeding end of the fixed antenna element.

19. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion and the fixing member is a nut, the portion further including an external screw formed around, and the antenna holder being fixed in the antenna mount by the nut.

20. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion and the fixing member is a nut, the portion further including an external screw formed around, and the antenna holder being fixed in the antenna mount by the nut and, and the relative position between the fitting portion and the feeding end is predetermined .